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	Filing Date		2003-10-27	
	First Named Inventor	Gang Bao		
	Art Unit	1618		
	Examiner Name	Dameron Levest Jones		
Attorney Docket Number		17625-0058		

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1	Alivisatos et al., 1996, "Organization of Nanocrystal Molecules' Using DNA," Nature 382, 609-611.	<input type="checkbox"/>
2	Alivisatos et al., 1996, "Semiconductor Clusters, Nanocrystals, and Quantum Dots," Science 271:933-937.	<input type="checkbox"/>
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5	Bruchez, Jr. et al., 1998, "Semiconductor Nanocrystals as Fluorescent Biological Labels," Science 281, 2013-2015.	<input type="checkbox"/>
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7	Bulte, et al., 1997, "Magnetic Nanoparticles as Contrast Agents for MR Imaging," In Scientific and clinical applications of magnetic carriers. (Editors: Häfeli, U. et al.) Plenum Press, New York, pp 527-543.	<input type="checkbox"/>
8	Bulte, et al., 2001, "Magnetodendrimers Allow Endosomal Magnetic Labeling and in vivo Tracking of Stem Cells," Nat. Biotechnol. 19, 1141 – 1147.	<input type="checkbox"/>
9	Butterworth et al., 2001, "Preparation of Ultrafine Silica- and PEG-coated Magnetite Particles," Colloids and Surfaces A-Physicochemical and Engineering Aspects, 179:93-102.	<input type="checkbox"/>
10	Chan, et al., 1998, "Quantum Dot Bioconjugates for Ultrasensitive Nonisotopic Detection," Science 281, 2016-2018.	<input type="checkbox"/>
11	Chen et al., 2000, "Molecular Beacons: A Real-Time Polymerase Chain Reaction Assay for Detecting Salmonella," Analytical Biochem 280:166-172.	<input type="checkbox"/>

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12	Coroiu, 1999, "Relaxivities of Different Superparamagnetic Particles for Application in NMR Tomography," J Magn Magn Mater 201, 449-452.	<input type="checkbox"/>
13	De Baar et al., 2001, "One-Tube Real-Time Isothermal Amplification Assay to Identify and Distinguish Human Immunodeficiency Virus Type 1 Subtypes A, B, and C and Circulating Recombinant Forms AE and AG," J. of Clin. Microbiology, 39(5):1895-1902	<input type="checkbox"/>
14	Dressman et al., 2003, "Transforming Single DNA Molecules into Fluorescent Magnetic Particles for Detection and enumeration of Genetic Variations," PNAS, 100(15): 8817-8822.	<input type="checkbox"/>
15	Dubertret et al., 2001, "Single-Mismatch Detection Using Gold-Quenched Fluorescent Oligonucleotides," Nature Biotechnol. 19, 365-370.	<input type="checkbox"/>
16	Dyal et al., 2003, "Activity of Candida rugosa Lipase Immobilized on gamma-Fe2O3 Magnetic Nanoparticles, J And Chem 125: 1684-1685.	<input type="checkbox"/>
17	Elghanian et al., 1997, "Selective Colorimetric Detection of Polynucleotides Based on the Distance-Dependent Optical Properties of Gold Nanoparticles," Science 277, 1078-1081.	<input type="checkbox"/>
18	Fang et al., 2000, "Using Molecular Beacons to Probe Molecular Interactions Between Lactate Dehydrogenase and Single-Stranded DNA," Anal. Chem., 72:3280-3285.	<input type="checkbox"/>
19	Goddard et al., 2000, "Sequence Dependent Rigidity of Single Stranded DNA," Phys Rev. Lett 85:2400-2403.	<input type="checkbox"/>
20	Han et al., 2001, "Quantum-dot-Tagged Microbeads for Multiplexed Optical Coding of Biomolecules," Nature Biotechnol. 19, 631-635.	<input type="checkbox"/>
21	Harris et al., 2001, "Traumatic Brain Injury-Induced Changes in Gene Expression and Functional Activity of Mitochondrial Cytochrome C Oxidase," J Neurotrauma 18, 993-1009.	<input type="checkbox"/>
22	Hogemann et al., 2000, "Improvement of MRI Probes to Allow Efficient Detection of Gene Expression," Bioconjugate Chem. 11:941-946.	<input type="checkbox"/>

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23	Huber et al., 1998, "Fluorescently Detectable Magnetic Resonance Imaging Agents," Bioconjugate Chem. 9:242-249.	<input type="checkbox"/>
24	Josephson et al., 1999, "High-Efficiency Intracellular Magnetic Labeling with Novel Superparamagnetic-Tat Peptide Conjugates," Bioconj. Chem. 10, 186-191.	<input type="checkbox"/>
25	Josephson et al., 2001, "Magnetic Nanosensors for the Detection of Oligonucleotide Sequences," Angew Chem Int Ed 40, 3204-3206.	<input type="checkbox"/>
26	Koenig et al., 1995, "Theory of 1/T1 and 1/T2 NMRD Profiles of Solutions of Magnetic Nanoparticles," Magn Reson Med 34, 227-233.	<input type="checkbox"/>
27	Kim et al., 2003, "Protective Coating of Superparamagnetic Iron Oxide Nanoparticles," Chem Matter 45: 1617-1627.	<input type="checkbox"/>
28	Kuhn et al., 2002, "Hybridization of DNA and PNA Molecular Beacons to Single-Stranded and Double-Stranded DNA Targets," J Am Chem Soc. 124, 1097-103.	<input type="checkbox"/>
29	Le Duc et al., 2001, "Ultrasmall Particulate Iron Oxides as Contrast Agents for Magnetic Resonance Spectroscopy: A Dose-Effect Study," J Magn Reson Imaging. 13, 619-26.	<input type="checkbox"/>
30	Lewin et al., 2000, "Tat Peptide-Derivatized Magnetic Nanoparticles Allow in vivo Tracking and Recovery of Progenitor Cells," Nat Biotechnol. 18, 410-4.	<input type="checkbox"/>
31	Liu et al., 2002, "Real-Time Monitoring in vitro Transcription Using Molecular Beacons," Analytical Chem., 300:40-45.	<input type="checkbox"/>
32	Liu et al., 1995, "Self-Assembled Monolayer Coatings on Nanosized Magnetic Particles Using 16-Mercaptohexadecanoic Acid," Langmuir, 11:4617-4622.	<input type="checkbox"/>
33	Louie et al., 2000, "In vivo Visualization of Gene Expression Using Magnetic Resonance Imaging," Nat Biotechnol. 18:321-325.	<input type="checkbox"/>

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34	Lu et al., 2002, "Modifying the Surface of Superparamagnetic Iron Oxide Nanoparticles through A Sol-Gel Approach," Nano Lett., 2(3):183-186.	<input type="checkbox"/>
35	Marras et al., 1999, "Multiplex Detection of Single-Nucleotide Variations Using Molecular Beacons," Gen. Analysis, 14:151-156.	<input type="checkbox"/>
36	Matsuo, 1998, "In situ Visualization of Messenger RNA for Basic Fibroblast Growth Factor in Living Cells," biochimica et Biophysica Acta 1379:178-184.	<input type="checkbox"/>
37	Mattoussi et al., 2000, "Self-Assembly of CdSe-ZnS Quantum Dot Bioconjugates Using an Engineered Recombinant Protein," J. Am. Chem. Soc. 122:12142-12150.	<input type="checkbox"/>
38	Mirkin et al., 1996, "A DNA-Based Method for Rationally Assembling Nanoparticles into Macroscopic Materials," Nature 382:607-609.	<input type="checkbox"/>
39	Mitchell et al., 1999, "Programmed Assembly of DNA Functionalized Quantum Dots," J. Am. Chem. Soc. 121:8122-8123.	<input type="checkbox"/>
40	Mitchell, 2001, "Turning the Spotlight on Cellular Imaging," Nat. Biotech., 19:1013-1017.	<input type="checkbox"/>
41	Molenaar et al., 2001, "Linear 2' O-Methyl RNA Probes for Visualization of RNA in Living Cells," Nucleic Acids Res. 29 (17):e89:1-10.	<input type="checkbox"/>
42	Nicewarner-Pena et al., 2001, "Submicrometer Metallic Barcodes," Science, 294:137-141.	<input type="checkbox"/>
43	Pathak et al., 2001, "Hydroxylated Quantum Dots as Luminescent Probes for in Situ Hybridization," J. Am. Chem. Soc. 123:4103-4104.	<input type="checkbox"/>
44	Perez et al., 2002, "DNA-Based Magnetic Nanoparticle Assembly Acts as a Magnetic Relaxation Nanoswitch Allowing Screening of DNA-Cleaving Agents," J Am Chem Soc. 124:2856-2857	<input type="checkbox"/>

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45	Reynolds et al., 2000, "Homogeneous, Nanoparticle-Based Quantitative Colorimetric Detection of Oligonucleotides," J. Am. Chem. Soc. 122:3795-3796.	<input type="checkbox"/>
46	Santra et al., 2001, "Synthesis and Characterization of Silica-Coated Iron Oxide Nanoparticles in Microemulsion: The Effect of Nonionic Surfactants," Langmuir 17: 290-2906.	<input type="checkbox"/>
47	Shen et al., 1993, "Monocrystalline Iron Oxide Nanocompounds (MION): Physicochemical Properties," Magn Reson Med 29, 599-604.	<input type="checkbox"/>
48	Sokol et al., 1998, "Real Time Detection of DNA-RNA Hybridization in Living Cells," Proc Natl Acad Sci USA 95:11538-11543.	<input type="checkbox"/>
49	Storhoff et al., 1999, "Programmed Materials Synthesis with DNA," Chem. Rev. 99:1849-1862.	<input type="checkbox"/>
50	Tsourkas et al., 2003, "Spectroscopic Features of Dual Fluorescence/Luminescence Resonance Energy-Transfer Molecular Beacons," Anal Chem. 75:3697-3703.	<input type="checkbox"/>

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